



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5  
77 WEST JACKSON BOULEVARD  
CHICAGO, IL 60604-3590

APR 18 2017

REPLY TO THE ATTENTION OF  
C-14J

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Mr. Joon S. Moon  
Patterson Chemicals, Inc.  
c/o Star-Pacific, Inc.  
1205 Atlantic Street  
Union City, California 94587-2002

RE: Patterson Chemicals Site, Detroit, Michigan  
Order No. V-W-10-C-962

Dear Mr. Moon:

On December 22, 2010, the U.S. Environmental Protection Agency issued a unilateral order to Patterson Chemicals, Inc., requiring it to conduct certain cleanup activities at 11930 Pleasant Street, Detroit, Michigan, under the authority of Section 106 of the Comprehensive Environmental Response, Compensation, and Liability Act, as amended (CERCLA), 42 U.S.C. § 9606.

It is my understanding that Patterson Chemicals, Inc. has largely completed the activities required by that order. It has not, however, submitted a final report of its response activities as required under Section V.3.5 of the Order. It also has not reimbursed EPA's oversight costs as required by Section VIII of the Order. On October 22, 2013, EPA sent you, as Patterson Chemical's principal, a bill for \$193,004.33. (A copy is enclosed.) Neither you nor the company has paid that bill, or responded in any way.

EPA hereby requests that you and Patterson Chemicals comply with these requirements of the Order within 30 days of your receipt of this letter. Please contact me promptly or confirm that you and your company will comply. I can be reached at (312) 886-0562 or [krueger.thomas@epa.gov](mailto:krueger.thomas@epa.gov) if you have any questions concerning this matter.

Sincerely,

A handwritten signature in black ink, appearing to read "T. J. Krueger", is written over the "Sincerely," line.

Thomas J. Krueger  
Associate Regional Counsel

Enclosure



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 5  
77 WEST JACKSON BOULEVARD  
CHICAGO, IL 60604-3590

OCT 22 2013

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

REPLY TO THE ATTENTION OF:

Mr. Joon Moon  
c/o Glenn R. Matecun  
The Kizer Law Firm, P.C.  
207 N. Michigan Avenue  
Suite 202  
Howell, MI 48843

RE: Patterson Chemicals, MI,  
Site No. B5XJ

Gentlemen:

The enclosed billing is for the recovery of costs incurred by the U.S. Environmental Protection Agency (EPA) for oversight activity, performed under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended, for costs through 06/30/2013. These costs were incurred for the Patterson Chemical Site. EPA is due \$193,004.33. This bill is solely for recovery of government oversight costs; any fines and/or penalties due will be billed separately.

~~This billing invoice is being forwarded to you for payment based upon the Administrative Order, VW-10C-962. Please make your payment payable to EPA Hazardous Substance Superfund and forward your payment to the following address:~~

Federal Reserve Bank of New York



33 Liberty Street  
New York, NY 10045

Field Tag 4200 of the Fedwire message should read 'D 68010727  
Environmental Protection Agency'

To avoid additional charges, payment must be received at the U. S. EPA within 60 days of receipt of this bill. If payment is not received within that time frame, interest will accrue from the date of your receipt at the rate of 0.81%. If there are any questions regarding the legality of this bill please contact Larry Johnson at (312) 886-6609 or mail comments to the following address:



U. S. Environmental Protection Agency  
ATTN: Larry Johnson  
77 West Jackson - C-14J  
Chicago, Illinois 60604

If there are any other questions, please contact U.S. EPA's On-Scene Coordinator, Partap Lall, at (734) 692-7677 or mail comments to the following address:

U.S. Environmental Protection Agency  
ATTN: Partap Lall  
Emergency Response Section 2  
9311 Groh Road  
Grosse Ile, MI 48138

To ensure that your payment is properly recorded by EPA, the following information must be included:

Patterson Chemicals, MI.  
Account No. 2751405T0001  
Site No. B5XJ

You should also send notice that payment has been made to the two EPA addresses above.

Thank you for your cooperation.

Sincerely,

*for Linda Hails*  
Richard Hackley, Chief  
Program Accounting and Analysis Section  
Enclosures

cc: Partap Lall, SE-GI  
Larry Johnson, C-14J



## Itemized Cost Summary

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013

VW-10C-962

REGIONAL PAYROLL COSTS .....	\$61,901.03
SUPERFUND TECH. ASSISTANCE & RESPONSE TEAM (START)	
WESTON SOLUTIONS, INC. (EPS50604) .....	\$60,683.98
TECHNICAL SERVICE AND SUPPORT	
ASRC MANAGEMENT SERVICES, INC. (EPW05052) .....	\$160.22
EPA INDIRECT COSTS .....	\$70,259.10
Total Site Costs:	<u><u>\$193,004.33</u></u>



## Regional Payroll Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013

VW-10C-962

<u>Employee Name</u>	<u>Fiscal Year</u>	<u>Pay Period</u>	<u>Payroll Hours</u>	<u>Payroll Costs</u>
BENSING, MILAGROS	2011	05	8.00	424.90
ENVIRONMENTAL PROTECTION SPECIALIST		06	7.00	371.78
		09	1.25	66.57
			16.25	\$863.25
ELZEIN, JASON	2011	06	5.00	432.56
ENVIRONMENTAL ENGINEER		09	5.00	454.19
			10.00	\$886.75
FINLEY, ARLENE	2011	24	2.25	139.09
ACCOUNTANT		25	0.25	15.46
		26	0.25	15.47
		27	0.00	0.00
	2012	01	0.50	30.70
		02	0.25	15.47
		04	2.00	123.83
		05	0.50	30.96
		26	1.00	62.04
	2013	02	1.00	62.04
		03	1.00	62.05
		04	2.00	124.07
		06	3.75	232.62
		09	2.00	124.32
		12	1.00	62.17
			17.75	\$1,100.29
HAILE, LINDA	2011	24	0.25	15.75
LEAD ACCOUNTANT			0.25	\$15.75
JOHNSON, LARRY	2010	21	12.00	1,149.13
Attorney-Adviser		23	11.00	1,053.37
		24	9.00	861.83
		26	11.00	1,013.35
	2011	01	4.00	361.57
		02	6.00	550.84
		03	5.00	459.03
		04	16.00	1,468.90



## Regional Payroll Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013

VW-10C-962

<u>Employee Name</u>	<u>Fiscal Year</u>	<u>Pay Period</u>	<u>Payroll Hours</u>	<u>Payroll Costs</u>
JOHNSON, LARRY	2011	05	20.50	1,882.05
		06	6.00	550.84
		08	7.00	675.19
		09	14.00	1,350.37
		10	28.00	2,700.73
		11	23.00	2,218.45
		12	21.00	2,025.56
		14	22.00	2,122.00
		15	16.00	1,543.28
		16	1.00	96.47
		21	1.00	96.47
		22	1.00	97.43
		26	1.00	93.39
		27	1.00	91.48
	2012	18	1.00	97.85
	2013	05	1.00	93.47
		06	1.00	93.47
		09	3.00	293.82
			242.50	\$23,040.34
KEATING, DEBRA	2011	02	0.50	31.93
FRIPT, DEBBIE		05	1.50	95.79
RÉGEL, DEBBIE		06	1.00	63.86
ENVIRONMENTAL PROTECTION SPECIALIST			3.00	\$191.58
CYTE, LAWRENCE	2011	06	0.25	21.39
SUPERVISORY GENERAL ATTORNEY		11	0.75	64.40
			1.00	\$85.79
ALL, PARTAP	2010	19	8.00	589.48
Environmental Engineer (Osc)		20	10.00	777.65
		21	16.00	1,251.91
		23	15.00	1,166.49
		24	11.00	855.42
		25	8.00	622.12
		26	7.00	544.34
	2011	02	6.00	468.38

## Regional Payroll Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013

VW-10C-962

Employee Name	Fiscal Year	Pay Period	Payroll Hours	Payroll Costs
LALL, PARTAP	2011	03	7.00	527.17
		04	16.00	1,191.36
		05	9.00	670.12
		07	3.00	233.91
		08	8.00	627.74
		09	15.00	1,176.98
		10	24.00	1,883.15
		12	22.00	1,726.21
		13	19.00	1,490.83
		16	21.00	1,633.02
		17	9.00	698.37
		18	9.00	699.86
		19	7.00	549.24
		20	7.00	549.24
		22	8.00	627.71
		23	3.00	237.27
		24	5.00	392.34
		25	1.00	78.47
		26	3.00	231.36
	2012	01	2.00	156.93
		05	1.00	75.06
		07	1.00	78.59
		09	1.00	78.92
		10	1.00	78.92
		16	1.00	76.25
			284.00	\$22,044.81
LOSOS, SARA Contract Specialist	2011	12	2.00	80.99
			2.00	\$80.99
MARITOTE, JOHN ENVIRONMENTAL PROTECTION SPECIALIST	2010	19	1.00	54.31
			1.00	\$54.31
MARKS, THOMAS	2013	12	0.25	19.25

## Regional Payroll Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013

VW-10C-962

<u>Employee Name</u>	<u>Fiscal Year</u>	<u>Pay Period</u>	<u>Payroll Hours</u>	<u>Payroll Costs</u>
SUPV ENVIRONMENTAL PROTECTION SPEC			0.25	\$19.25
MCGARY, DARLENE CONTRACT SPECIALIST.	2011	23	0.25	16.51
			0.25	\$16.51
MESSENGER, WILLIAM SUPRVY ENVIRON. PROTECTION SPECIALISTA	2010	20	1.00	73.80
			1.00	\$73.80
NORMAN, CARL ENVIRONMENTAL ENGINEER	2011	11	1.00	65.69
			1.00	\$65.69
ROPSKI, CAROL GRASZER, CAROL A. ENVIRONMENTAL PROTECTION SPECIALIST	2010	19	2.00	143.58
		20	6.00	442.80
		21	11.00	789.72
		22	4.00	287.18
		23	18.00	1,292.26
		24	14.00	1,005.08
		25	9.00	646.13
		26	1.00	71.80
	2011	02	15.00	1,080.96
		03	13.50	918.88
		04	9.00	589.83
		05	1.00	67.81
		07	2.00	144.12
		08	5.00	361.96
		09	8.00	579.13
		10	20.50	1,484.06
		11	13.00	941.11
		12	23.50	1,701.23
		13	0.50	36.18
		14	3.00	217.18
		15	2.00	144.78
		16	1.00	72.40
	2012	04	0.50	36.25

## Regional Payroll Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013

VW-10C-962

<u>Employee Name</u>	<u>Fiscal Year</u>	<u>Pay Period</u>	<u>Payroll Hours</u>	<u>Payroll Costs</u>
ROPSKI, CAROL	2012	23	0.50	37.14
	2013	05	0.50	37.26
		09	1.00	74.66
		12	0.75	55.98
			<u>185.25</u>	<u>\$13,259.47</u>
TAYLOR, DARIUS FINANCIAL SPECIALIST	2010	19	0.25	14.32
	2011	09	0.50	28.83
	2012	23	0.75	44.48
	2013	04	0.25	14.82
			<u>1.75</u>	<u>\$102.45</u>
Total Regional Payroll Costs			<u><u>767.25</u></u>	<u><u>\$61,901.03</u></u>

## Contract Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013

VW-10C-962

SUPERFUND TECH. ASSISTANCE & RESPONSE TEAM (START)

Contractor Name: WESTON SOLUTIONS, INC.

EPA Contract Number: EPS50604

Project Officer(s): STANUCH, GAIL

Dates of Service: From: To:

Summary of Service: S/F TECH ASSESSMENT&amp;RESPONSE TEAM (REDI)

Total Costs: \$60,683.98

Voucher Number	Voucher Date	Voucher Amount	Treasury Schedule Number and Date	Site Amount	Annual Allocation
1-A42	04/20/2010	433,820.76	10701 05/20/2010	7,953.41	955.86
1-A43	05/20/2010	432,811.67	10792 06/17/2010	5,981.14	718.83
1-A44	06/23/2010	474,285.94	10897 07/20/2010	6,066.39	729.08
1-A45	07/20/2010	551,974.47	10999 08/19/2010	2,179.73	261.96
1-A54	04/20/2011	332,781.34	11765 05/18/2011	5,575.32	536.04
1-A55	05/20/2011	370,736.53	11870 06/16/2011	11,017.72	1,059.31
1-A56	06/17/2011	395,923.35	11967 07/14/2011	6,792.72	653.09
1-A57	07/22/2011	466,418.84	11A90 08/18/2011	2,774.81	266.79
1-A58	08/19/2011	351,103.99	ACHC11258 09/19/2011	355.78	34.21
1-A60	10/21/2011	413,328.27	AVC110055 11/25/2011	4,332.16	416.52
1-A61	11/21/2011	359,289.05	AVC110088 12/22/2011	378.20	36.36
1-A65	03/20/2012	328,307.43	AVC120089 04/23/2012	327.65	31.50
1-A75	01/22/2013	456,742.13	AVC130114 02/12/2013	1,088.87	104.69
1-A76	02/20/2013	300,330.11	AVC130136 03/15/2013	50.94	4.90
Total:				<u>\$54,874.84</u>	<u>\$5,809.14</u>

## Contract Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013

VW-10C-962

SUPERFUND TECH. ASSISTANCE & RESPONSE TEAM (START)

Contractor Name: WESTON SOLUTIONS, INC.  
EPA Contract Number: EPS50604  
Project Officer(s): STANUCH, GAIL  
Dates of Service: From: To:  
Summary of Service: S/F TECH ASSESSMENT&RESPONSE TEAM (REDI)  
Total Costs: \$60,683.98

<u>Voucher Number</u>	<u>Schedule Number</u>	<u>Rate Type</u>	<u>Annual Allocation Rate</u>
1-A42	10701	Final	0.120183
1-A43	10792	Final	0.120183
1-A44	10897	Final	0.120183
1-A45	10999	Final	0.120183
1-A54	11765	Provisional	0.096146
1-A55	11870	Provisional	0.096146
1-A56	11967	Provisional	0.096146
1-A57	11A90	Provisional	0.096146
1-A58	ACHC11258	Provisional	0.096146
1-A60	AVC110055	Provisional	0.096146
1-A61	AVC110088	Provisional	0.096146
1-A65	AVC120089	Provisional	0.096146
1-A75	AVC130114	Provisional	0.096146
1-A76	AVC130136	Provisional	0.096146

## Contract Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013

VW-10C-962

TECHNICAL SERVICE AND SUPPORT

Contractor Name: ASRC MANAGEMENT SERVICES, INC.

EPA Contract Number: EPW05052

Project Officer(s): CALVIN, LYNN  
RZEZNIK, ANNA

Dates of Service: From: To:

Summary of Service: ADMINISTRATIVE SUPPORT SERVICES

Total Costs: \$160.22

Voucher Number	Voucher Date	Voucher Amount	Treasury Schedule Number and Date	Site Amount
52	10/10/2010	74,174.39	R1213 12/10/2010	9.28
53	12/10/2010	63,337.00	R1306 01/10/2011	38.74
54	01/10/2011	97,991.86	R1394 02/07/2011	96.87
55	02/10/2011	116,909.13	R1526 03/15/2011	15.33
Total:				\$160.22

## EPA Indirect Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013

VW-10C-962

<u>Fiscal Year</u>	<u>Direct Costs</u>	<u>Indirect Rate( %)</u>	<u>Indirect Costs</u>
2010	39,552.47	49.25%	19,479.60
2011	74,047.58	61.61%	45,620.69
2012	6,545.78	56.41%	3,692.47
2013	2,599.40	56.41%	1,466.34
	<u>122,745.23</u>		

Total EPA Indirect Costs

\$70,259.10



## EPA Indirect Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013

VW-10C-962

PAYROLL DIRECT COSTS

<u>Employee Name</u>	<u>Fiscal Year</u>	<u>Pay Period</u>	<u>Payroll Costs</u>	<u>Ind. Rate (%)</u>	<u>Indirect Costs</u>
JOHNSON, LARRY	2010	21	1,149.13	49.25%	565.95
		23	1,053.37	49.25%	518.78
		24	861.83	49.25%	424.45
		26	1,013.35	49.25%	499.07
			4,077.68		\$2,008.25
LALL, PARTAP	2010	19	589.48	49.25%	290.32
		20	777.65	49.25%	382.99
		21	1,251.91	49.25%	616.57
		23	1,166.49	49.25%	574.50
		24	855.42	49.25%	421.29
		25	622.12	49.25%	306.39
		26	544.34	49.25%	268.09
			5,807.41		\$2,860.15
MARITOTE, JOHN	2010	19	54.31	49.25%	26.75
			54.31		\$26.75
MESSENGER, WILLIAM	2010	20	73.80	49.25%	36.35
			73.80		\$36.35
ROPSKI, CAROL	2010	19	143.58	49.25%	70.71
		20	442.80	49.25%	218.08
		21	789.72	49.25%	388.94
		22	287.18	49.25%	141.44
		23	1,292.26	49.25%	636.44
		24	1,005.08	49.25%	495.00
		25	646.13	49.25%	318.22

## EPA Indirect Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013

VW-10C-962

PAYROLL DIRECT COSTS

Employee Name	Fiscal Year	Pay Period	Payroll Costs	Ind. Rate (%)	Indirect Costs
ROPSKI, CAROL	2010	26	71.80	49.25%	35.36
			4,678.55		\$2,304.19
TAYLOR, DARIUS	2010	19	14.32	49.25%	7.05
			14.32		\$7.05
Total Fiscal Year 2010 Payroll Direct Costs:			14,706.07		\$7,242.74

OTHER DIRECT COSTS

Contract, IAG, SCA, Misc.NO	Voucher Number	Treasury Schedule Date	Site Amount	Annual/SMO Allocation Costs	Ind. Rate (%)	Indirect Costs
EPS50604	1-A42	05/20/2010	7,953.41	955.86	49.25%	4,387.82
	1-A43	06/17/2010	5,981.14	718.83	49.25%	3,299.74
	1-A44	07/20/2010	6,066.39	729.08	49.25%	3,346.77
	1-A45	08/19/2010	1,823.76	219.18	49.25%	1,006.15
			355.97	42.78	49.25%	196.38
			22,180.67	2,665.73		\$12,236.86
Total Fiscal Year 2010 Other Direct Costs:			22,180.67	2,665.73		\$12,236.86
Total Fiscal Year 2010:			39,552.47			\$19,479.60

PAYROLL DIRECT COSTS

Employee Name	Fiscal Year	Pay Period	Payroll Costs	Ind. Rate (%)	Indirect Costs
BENSING, MILAGROS	2011	05	424.90	61.61%	261.78
		06	371.78	61.61%	229.05

## EPA Indirect Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013

VW-10C-962

PAYROLL DIRECT COSTS

<u>Employee Name</u>	<u>Fiscal Year</u>	<u>Pay Period</u>	<u>Payroll Costs</u>	<u>Ind. Rate (%)</u>	<u>Indirect Costs</u>
BENSING, MILAGROS	2011	09	66.57	61.61%	41.01
			863.25		\$531.84
ELZEIN, JASON	2011	06	432.56	61.61%	266.50
		09	454.19	61.61%	279.83
			886.75		\$546.33
FINLEY, ARLENE	2011	24	139.09	61.61%	85.69
		25	15.46	61.61%	9.52
		26	15.47	61.61%	9.53
		27	0.00	61.61%	0.00
			170.02		\$104.74
HAILE, LINDA	2011	24	15.75	61.61%	9.70
			15.75		\$9.70
JOHNSON, LARRY	2011	01	361.57	61.61%	222.76
		02	550.84	61.61%	339.37
		03	459.03	61.61%	282.81
		04	1,468.90	61.61%	904.99
		05	1,882.05	61.61%	1,159.53
		06	550.84	61.61%	339.37
		08	675.19	61.61%	415.98
		09	1,350.37	61.61%	831.96
		10	2,700.73	61.61%	1,663.92
		11	2,218.45	61.61%	1,366.79
		12	2,025.56	61.61%	1,247.95
		14	2,122.00	61.61%	1,307.36
		15	1,543.28	61.61%	950.81
		16	96.47	61.61%	59.44
		21	96.47	61.61%	59.44

## EPA Indirect Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013

VW-10C-962

PAYROLL DIRECT COSTS

<u>Employee Name</u>	<u>Fiscal Year</u>	<u>Pay Period</u>	<u>Payroll Costs</u>	<u>Ind. Rate (%)</u>	<u>Indirect Costs</u>
JOHNSON, LARRY	2011	22	97.43	61.61%	60.03
		26	93.39	61.61%	57.54
		27	91.48	61.61%	56.36
			18,384.05		\$11,326.41
KEATING, DEBRA	2011	02	31.93	61.61%	19.67
		05	95.79	61.61%	59.02
		06	63.86	61.61%	39.34
			191.58		\$118.03
KYTE, LAWRENCE	2011	06	21.39	61.61%	13.18
		11	64.40	61.61%	39.68
			85.79		\$52.86
LALL, PARTAP	2011	02	468.38	61.61%	288.57
		03	527.17	61.61%	324.79
		04	1,191.36	61.61%	734.00
		05	670.12	61.61%	412.86
		07	233.91	61.61%	144.11
		08	627.74	61.61%	386.75
		09	1,176.98	61.61%	725.14
		10	1,883.15	61.61%	1,160.21
		12	1,726.21	61.61%	1,063.52
		13	1,490.83	61.61%	918.50
		16	1,633.02	61.61%	1,006.10
		17	698.37	61.61%	430.27
		18	699.86	61.61%	431.18
		19	549.24	61.61%	338.39
		20	549.24	61.61%	338.39
		22	627.71	61.61%	386.73
		23	237.27	61.61%	146.18
		24	392.34	61.61%	241.72

## EPA Indirect Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013

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PAYROLL DIRECT COSTS

<u>Employee Name</u>	<u>Fiscal Year</u>	<u>Pay Period</u>	<u>Payroll Costs</u>	<u>Ind. Rate (%)</u>	<u>Indirect Costs</u>
LALL, PARTAP	2011	25	78.47	61.61%	48.35
		26	231.36	61.61%	142.54
			15,692.73		\$9,668.30
LOSOS, SARA	2011	12	80.99	61.61%	49.90
			80.99		\$49.90
MCGARY, DARLENE	2011	23	16.51	61.61%	10.17
			16.51		\$10.17
NORMAN, CARL	2011	11	65.69	61.61%	40.47
			65.69		\$40.47
ROPSKI, CAROL	2011	02	1,080.96	61.61%	665.98
		03	918.88	61.61%	566.12
		04	589.83	61.61%	363.39
		05	67.81	61.61%	41.78
		07	144.12	61.61%	88.79
		08	361.96	61.61%	223.00
		09	579.13	61.61%	356.80
		10	1,484.06	61.61%	914.33
		11	941.11	61.61%	579.82
		12	1,701.23	61.61%	1,048.13
		13	36.18	61.61%	22.29
		14	217.18	61.61%	133.80
		15	144.78	61.61%	89.20
		16	72.40	61.61%	44.61
			8,339.63		\$5,138.04

## EPA Indirect Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013

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PAYROLL DIRECT COSTS

<u>Employee Name</u>	<u>Fiscal Year</u>	<u>Pay Period</u>	<u>Payroll Costs</u>	<u>Ind. Rate (%)</u>	<u>Indirect Costs</u>
TAYLOR, DARIUS	2011	09	28.83	61.61%	17.76
			28.83		\$17.76
Total Fiscal Year 2011 Payroll Direct Costs:			44,821.57		\$27,614.55

OTHER DIRECT COSTS

<u>Contract, IAG, SCA, Misc.NO</u>	<u>Voucher Number</u>	<u>Treasury Schedule Date</u>	<u>Site Amount</u>	<u>Annual/SMO Allocation Costs</u>	<u>Ind. Rate (%)</u>	<u>Indirect Costs</u>
EPS50604	1-A54	05/18/2011	5,575.32	536.04	61.61%	3,765.21
	1-A55	06/16/2011	11,017.72	1,059.31	61.61%	7,440.66
	1-A56	07/14/2011	6,792.72	653.09	61.61%	4,587.36
	1-A57	08/18/2011	2,774.81	266.79	61.61%	1,873.93
	1-A58	09/19/2011	355.78	34.21	61.61%	240.27
			26,516.35	2,549.44		\$17,907.43
EPW05052	52	12/10/2010	9.28	0.00	61.61%	5.72
	53	01/10/2011	38.74	0.00	61.61%	23.87
	54	02/07/2011	96.87	0.00	61.61%	59.68
	55	03/15/2011	15.33	0.00	61.61%	9.44
			160.22	0.00		\$98.71
Total Fiscal Year 2011 Other Direct Costs:			26,676.57	2,549.44		\$18,006.14
Total Fiscal Year 2011:			74,047.58			\$45,620.69

## EPA Indirect Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013

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PAYROLL DIRECT COSTS

<u>Employee Name</u>	<u>Fiscal Year</u>	<u>Pay Period</u>	<u>Payroll Costs</u>	<u>Ind. Rate (%)</u>	<u>Indirect Costs</u>
FINLEY, ARLENE	2012	01	30.70	56.41%	17.32
		02	15.47	56.41%	8.73
		04	123.83	56.41%	69.85
		05	30.96	56.41%	17.46
		26	62.04	56.41%	35.00
			263.00		\$148.36
JOHNSON, LARRY	2012	18	97.85	56.41%	55.20
			97.85		\$55.20
LALL, PARTAP	2012	01	156.93	56.41%	88.52
		05	75.06	56.41%	42.34
		07	78.59	56.41%	44.33
		09	78.92	56.41%	44.52
		10	78.92	56.41%	44.52
		16	76.25	56.41%	43.01
			544.67		\$307.24
ROPSKI, CAROL	2012	04	36.25	56.41%	20.45
		23	37.14	56.41%	20.95
			73.39		\$41.40
TAYLOR, DARIUS	2012	23	44.48	56.41%	25.09
			44.48		\$25.09
Total Fiscal Year 2012 Payroll Direct Costs:			1,023.39		\$577.29

## EPA Indirect Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013

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OTHER DIRECT COSTS

Contract, IAG, SCA, Misc.NO	Voucher Number	Treasury Schedule Date	Site Amount	Annual/SMO Allocation Costs	Ind. Rate (%)	Indirect Costs
EPS50604	1-A60	11/25/2011	4,332.16	416.52	56.41%	2,678.73
	1-A61	12/22/2011	378.20	36.36	56.41%	233.85
	1-A65	04/23/2012	327.65	31.50	56.41%	202.60
			5,038.01	484.38		\$3,115.18
Total Fiscal Year 2012 Other Direct Costs:			5,038.01	484.38		\$3,115.18
Total Fiscal Year 2012:			6,545.78			\$3,692.47

PAYROLL DIRECT COSTS

Employee Name	Fiscal Year	Pay Period	Payroll Costs	Ind. Rate (%)	Indirect Costs
FINLEY, ARLENE	2013	02	62.04	56.41%	35.00
		03	62.05	56.41%	35.00
		04	124.07	56.41%	69.99
		06	232.62	56.41%	131.22
		09	124.32	56.41%	70.13
		12	62.17	56.41%	35.07
			667.27		\$376.41
JOHNSON, LARRY	2013	05	93.47	56.41%	52.73
		06	93.47	56.41%	52.73
		09	293.82	56.41%	165.74
			480.76		\$271.20
MARKS, THOMAS	2013	12	19.25	56.41%	10.86
			19.25		\$10.86
ROPSKI, CAROL	2013	05	37.26	56.41%	21.02



## EPA Indirect Costs

PATTERSON CHEMICALS, DETROIT, MI SITE ID = B5 XJ

Costs Through 06/30/2013

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PAYROLL DIRECT COSTS

<u>Employee Name</u>	<u>Fiscal Year</u>	<u>Pay Period</u>	<u>Payroll Costs</u>	<u>Ind. Rate (%)</u>	<u>Indirect Costs</u>
ROPSKI, CAROL	2013	09	74.66	56.41%	42.12
		12	55.98	56.41%	31.58
			167.90		\$94.72
TAYLOR, DARIUS	2013	04	14.82	56.41%	8.36
			14.82		\$8.36
Total Fiscal Year 2013 Payroll Direct Costs:			1,350.00		\$761.55

OTHER DIRECT COSTS

<u>Contract, IAG, SCA, Misc. NO</u>	<u>Voucher Number</u>	<u>Treasury Schedule Date</u>	<u>Site Amount</u>	<u>Annual/SMO Allocation Costs</u>	<u>Ind. Rate (%)</u>	<u>Indirect Costs</u>
EPS50604	1-A75	02/12/2013	1,088.87	104.69	56.41%	673.29
	1-A76	03/15/2013	50.94	4.90	56.41%	31.50
			1,139.81	109.59		\$704.79
Total Fiscal Year 2013 Other Direct Costs:			1,139.81	109.59		\$704.79
Total Fiscal Year 2013:			2,599.40			\$1,466.34
Total EPA Indirect Costs:						\$70,259.10